

**INFORMATION DISCLOSURE  
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| Application No.        |  | 10/020,515               |  |
| Filing Date            |  | December 7, 2001         |  |
| First Named Inventor   |  | Guy G. Riddle            |  |
| Art Unit               |  | 2152                     |  |
| Examiner Name          |  | Kenny S. Lin             |  |
| Attorney Docket Number |  | 18602-06587 (P1517USR1)  |  |

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document No.<br>Number – Kind Code <sup>2</sup> (if known) | Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document |
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**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> –<br>Number <sup>4</sup><br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup> |
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|--------------------|-----------------------|--|----------------|
| /KL/               | C1                    | "Adaptive Audio Playout Algorithm for Shared Packet Networks," IBM Technical Disclosure Bulletin, April 1993, pp. 255-257, Vol. 36, No. 4, Armonk, NY.   |                |
| /KL/               | C2                    | AGUILAR, L., et al., "Architecture for a Multimedia Teleconferencing System," Proceedings of ACM SIGCOMM'86, August 1986, pp. 126-136.   |                |
| /KL/               | C3                    | AHUJA, S. R., et al., "The Rapport Multimedia Conferencing System," Proceedings of Conference on Office Information Systems, March 1988, pp. 1-8.  |                |
| /KL/               | C4                    | BARBERIS, G., et al., "Coded Speech in Packet-Switched Networks: Models and Experiments," IEEE Journal on Selected Areas in Communications, Special Issue on Packet Switched Voice and Data Communication, December 1983, pp. 1028-1038, Vol. SAC-1, No. 6.    |                |
| /KL/               | C5                    | LE BOUDEC, J., "The Asynchronous Transfer Mode: A Tutorial," Computer Networks and ISDN Systems, May 15, 1992, pp. 279-309, Vol. 24, No. 4.  |                |
| /KL/               | C6                    | CARNE, E. B., "Modern Telecommunication," Applications of Communications Theory, GTE Laboratories Incorporated, 1984, pp. 44-47.   |                |
| /KL/               | C7                    | CASNER, S., et al., "First IETF Internet Audiocast," Reprinted from ACM SIGCOMM Computer Communications Review, July 1992, Vol. 22, No. 3, ISI Reprint Series, ISI/RS-92-293, July 1992, pp. 1-6.  |                |
| /KL/               | C8                    | CASNER, S., et al., "N-Way Conferencing with Packet Video," Reprinted from the Proceedings of the Third International Workshop on Packet Video held March 22-23, 1990 in Morristown, NJ, ISI Reprint Series, ISI/RS-90-252, April 1990, pp. 1-6.               |                |

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| Examiner Name        |  | Kenny S. Lin             |  |

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|--------------------|-----------------------|--|--------------|
| /KL/               | C9                    | COHEN, D., "Specifications for the Network Voice Protocol," USC/Information Sciences Institute, March 1976, ISI/RR-75-39, Available from DTIC (AD # A023506).  |              |
| /KL/               | C10                   | COHEN, D., "Specifications for the Network Voice Protocol (NVP)," NWG/RFC 741, November 1977.  |              |
| /KL/               | C11                   | COMER, D., "Internetworking with TCP/IP, Vol. 1: Principles, Protocols, and Architecture," 2 <sup>nd</sup> Edition, 1991, pp. 1-8, 337-346, 505, Prentice Hall, Englewood Cliffs, NJ.  |              |
| /KL/               | C12                   | DEGAN, J. J., et al., "Fast Packet Technology for Future Switches," AT&T Technical Journal, March/April 1989, pp. 36-50, Vol. 68, No. 2.   |              |
|                    | C13                   | ENG, K. Y., et al., "Multicast and Broadcast Services in a Knockout Packet Switch," Proceedings of the IEEE INFOCOM'88, pp. 29-34.   |              |
|                    | C14                   | FORSICK, H., "Explorations into Real-Time Multimedia Conferencing," Proceedings of the 2 <sup>nd</sup> International Symposium on Computer Message Systems, IFIP, September 1985, pp. 331-347.   |              |
| /KL/               | C15                   | GEMMELL, J., et al., "A Scalable Multicast Architecture for One-to-Many Telepresentations," Multimedia Computing and Systems, Proceedings, IEEE International Conference, 1998, pp. 128-139.   |              |
| /KL/               | C16                   | GEMMELL, J. et al., "An Architecture for Multicast Telepresentations," Journal of Computing and Information Technology - CIT, pp. 255-272, Vol. 6, No. 3.  |              |
| /KL/               | C17                   | GHAFOOR, A., et al., "An Efficient Communication Structure for Distributed Commit Protocols," IEEE Journal on Selected Areas in Communications, April 1989, pp. 375-389, Vol. 7, No. 3.  |              |
| /KL/               | C18                   | HOBERECHT, W. L., "A Layered Network Protocol for Packet Voice and Data Integration," IEEE Journal on Selected Areas in Communications, Special Issue on Packet Switched Voice and Data Communication, December 1983, pp. 1008-1013, Vol. SAC-1, No. 6.        |              |
| /KL/               | C19                   | LANTZ, K. A., "An Experiment in Integrated Multimedia Conferencing," Proceedings of the Conference on Computer-Supported Cooperative Work'86, December 1986, pp. 533-552, Reading 19.  |              |
|                    | C20                   | IEEE T. T., et al., "The Architecture of a Multicast Broadband Packet Switch," Proceedings of IEEE INFOCOM'88, pp. 1-8.  |              |
| /KL/               | C21                   | LEUNG, W. H., et al., "A Set of Operating System Mechanisms to Support Multi-Media Applications," Proceedings of 1988 International Zurich Seminar on Digital Communications, March 1988, pp. B4.1-B4.6.   |              |
| /KL/               | C22                   | LEUNG, W. F., et al., "A Software Architecture for Workstations Supporting Multimedia Conferencing in Packet Switching Networks," IEEE Journal on Selected Areas in Communications, April 1990, pp. 380-390, Vol. 8, No. 3.                                    |              |
| /KL/               | C23                   | MAENO, K., et al., "Distributed Desktop Conferencing System (MERMAID) Based on Group Communication Architecture," ICC '91, June 28, 1991, pp. 0520-0525.   |              |

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| /KL/               | C24                   | MAGILL, D. T., "Adaptive Speech Compression for Packet Communication Systems," Conference Record of the IEEE National Telecommunications Conference, 1973, pp. 29D-1 - 29-D5.   |                                     |
| /KL/               | C25                   | MARK, J. W., et al., "A Dual-Ring LAN for Integrated Voice/Video/Data Services," Department of Electrical and Computer Engineering and Computer Communications Networks Group, IEEE, 1990, pp. 850-857, University of Waterloo, Waterloo, Ontario, Canada.  |                                     |
| /KL/               | C26                   | MINZER, S. E., et al., "New Directions in Signaling for Broadband ISDN," IEEE Communications Magazine, February 1988, pp. 6-14.   |                                     |
| /KL/               | C27                   | MONTGOMERY, W. A., "Techniques for Packet Voice Synchronization," IEEE Journal on Selected Areas in Communications, Special Issue on Packet Switched Voice and Data Communication, December 1983, pp. 1022-1028, Vol. SAC-1, No. 6.   |                                     |
| /KL/               | C28                   | MUSSER, J. M., et al., "A Local Area Network as a Telephone Local Subscriber Loop," IEEE Journal on Selected Areas in Communications, Special Issue on Packet Switched Voice and Data Communication, December 1983, pp. 1046-1054, Vol. SAC-1, No. 6.   |                                     |
| /KL/               | C29                   | NICOLAOU, C., "An Architecture for Real-Time Multimedia Communication Systems," IEEE Journal on Selected Areas in Communications, April 1990, pp. 391-400, Vol. 8, No. 3.   |                                     |
|                    | C30                   | NOJIMA, S., et al., "High Speed Packet Switching Network for Multi-Media Information," Proceedings of IEEE 1986 Computer Networking Symposium, pp. 141-150.   |                                     |
| /KL/               | C31                   | "OSF/Motif Programmer's Guide, Revision 1.1," Open Software Foundation, 1990, 1991, pp. i - xvii, 1-1 - 1-9, GL-1 - GL-15, Index-1 - Index-34, Prentice-Hall, Inc., Englewood Cliffs, NJ.   |                                     |
| /KL/               | C32                   | "Output Throttle Mechanism," IBM Technical Disclosure Bulletin, April 1990, pp. 274-279, Vol. 32, No. 11.   |                                     |
| /KL/               | C33                   | PALMER, L., et al., "Desktop Meeting," LAN Magazine, November 1991, pp. 111-121, Vol. 6, No. 11.  |                                     |
| /KL/               | C34                   | POGGIO, A., et al., "CCWS: A Computer-Based, Multimedia Information System," Computer, October 1985, pp. 92-103.  |                                     |
| /KL/               | C35                   | SCHOOLER, E. M., "A Distributed Architecture for Multimedia Conference Control," ISI Research Report, November 1991, ISI/RR-91-289, 20 pages, University of Southern California, Information Sciences Institute.  |                                     |
| /KL/               | C36                   | SCHOOLER, E. M., et al., "A Packet-Switched Multimedia Conferencing System," Reprinted from ACM SIGARTS Bulletin, January 1989, pp. 12-22, Vol. 1, No. 1, University of Southern California, Information Sciences Institute.  |                                     |
| /KL/               | C37                   | SCHOOLER, E. M., et al., "An Architecture for Multimedia Connection Management," Reprinted from the Proceedings of the IEEE 4 <sup>th</sup> Comsoc International Workshop on Multimedia Communications, MM '92, April 1992, pp. 271-274, Monterey, CA, ISI Reprint Series, ISI/RS-92-294, August 1992, pp. 1-4. |                                     |

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| /KL/               | C38       | SCHOOLER, E. M., "Case Study: Multimedia Conference Control in a Packet-Switched Teleconferencing System," Reprinted from the Journal of Internetworking: Research and Experience, June 1993, pp. 99-120, Vol. 4, No. 2, ISI Reprint Series, ISI/RS-93-359, August 1993, pp. 1-17. |   |
| /KL/               | C39       | SCHOOLER, E. M., "Conferencing and Collaborative Computing," Multimedia Systems, 1996, pp. 210-225, Vol. 4.  |   |
| /KL/               | C40       | SCHOOLER, E. M., et al., "Multimedia Conferencing: Has it come of age?," IEEE Journal on Selected Areas in Communications, 1991, pp. 707-716.  |   |
| /KL/               | C41       | SCHOOLER, E. M., "The Connection Control Protocol: Architecture Overview," USC/Information Sciences Institute, Version 1.0, January 28, 1992, pp. 1-6.   |   |
| /KL/               | C42       | SCHOOLER, E. M., "The Connection Control Protocol: Specification," USC/Information Sciences Institute, Version 1.1, January 29, 1992, pp. 1-6.   |   |
| /KL/               | C43       | SCHULZIRNNE, H., "A Transport Protocol for Real-Time Applications," Audio-Video Transport WG, Internet Engineering Task Force, Internet Draft, draft-ietf-avt-tp-00, December 15, 1992, pp. 1-12.  |   |
| /KL/               | C44       | SCHULZIRNNE, H., et al. "A Transport Protocol for Real-Time Applications," Audio-Video Transport WG, Internet Engineering Task Force, Internet Draft, draft-ietf-avt-tp-01, May 6, 1993, pp. 1-18.   |   |
| /KL/               | C45       | SHENKER, S., et al., "Managing Shared Ephemeral Teleconferencing State: Policy and Mechanism," Lecture Notes in Computer Science, 1994, Vol. 882, 69.  |   |
|                    | C46       | TURNER, J. S., "Design of a Broadcast Packet Switching Network," IEEE Transactions on Communications, June 1988, pp. 734-743, Vol. 36, No. 6.  |   |
| /KL/               | C47       | UEDA, H., et al., "Evaluation of an Experimental Packetized Speech and Data Transmission System," IEEE Journal on Selected Areas in Communications, Special Issue on Packet Switched Voice and Data Communication, December 1983, pp. 1039-1045, Vol. SAC-1, No. 6.                |   |
| /KL/               | C48       | "ULTRIX Worksystem Software X Window System Protocol: X Version 11," ULTRIX Worksystem Software, Version 2.0, Digital Equipment Corporation, 1988, Order No. AA-MA98A-TE.  |   |
| /KL/               | C49       | WATABE, K., et al., "Distributed Desktop Conferencing System with Multiuser Multimedia Interface," IEEE Journal on Selected Areas in Communications, May 1991, pp. 531-539, Vol. 9, No. 4.   |   |
| /KL/               | C50       | WEINSTEIN, C. J., et al., "Experience with Speech Communication in Packet Networks," IEEE Journal on Selected Areas in Communications, Special Issue on Packet Switched Voice and Data Communication, December 1983, pp. 963-980, Vol. SAC-1, No. 6.                               |   |
|                    | C51       | YUKIMATSU, K., et al., "Multicast Communication Facilities in a High Speed Packet Switching Network," Proceedings of ICCC'86, pp. 276-281.   |   |

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